

WHAT IS CLAIMED IS:

1. A system for controlling an electronic device,
comprising:
an electronic device;
a specially formatted surface, including a
predefined address pattern and at least one field for use
in performing a control function on the electronic device;
and
an address pattern reading device for detecting
a portion of the predefined address pattern adjacent to
the reading device, wherein a position of the reading
device on the specially formatted surface can be
determined using the detected portion of the predefined
address pattern.

2. The system of claim 1, wherein the electronic
device includes the reading device.

3. The system of claim 1, wherein the reading
device comprises an electronic pen separate from the
electronic device.

1 4. The system of claim 1, wherein the at least one
2 field comprises at least one of a navigation field for
3 controlling navigation on the electronic device, a text
4 input field for controlling text input to the electronic
5 device, a drawing input field for controlling drawing
6 input to the electronic device, and a special function
7 field for executing a special function on the electronic
8 device.

1 5. The system of claim 1, wherein the specially
2 formatted surface comprises a paper having a plurality of
3 fields corresponding to at least one application, said at
4 least one application executable on the electronic device
5 in accordance with positions on the paper detected by the
6 reading device.

1 6. The system of claim 1, wherein the specially
2 formatted surface and the reading device comprise at least
3 a portion of a man-machine interface for the electronic
4 device.

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1 7. The system of claim 1, wherein the at least one
2 field comprises a navigation field and the electronic
3 device further includes a display screen, the display
4 screen displaying a cursor, wherein a location of the
5 cursor is based on at least one detected position of the
6 reading device within the navigation field.

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1 8. The system of claim 7, wherein a selection of a
2 current location of the cursor is performed by a selection
3 function, the selection function selected from the group
4 consisting of a detection by the reading device of a
5 portion of the address pattern within a selection field on
6 the specially formatted surface, a pressure sensitive
7 detection on the reading device, and a pressing of a
8 button on the reading device.

1 9. The system of claim 1, wherein the use of the
2 reading device on the specially formatted surface
3 facilitates an input of handwritten text to the electronic
4 device.

1 10. The system of claim 1, wherein use of the
2 reading device on the specially formatted surface
3 facilitates an input of a drawing to the electronic
4 device.

5 11. The system of claim 1, wherein the at least one
6 field comprises a functional input field for controlling
7 an execution of a function on the electronic device.

1 12. The system of claim 1, wherein the specially
2 formatted surface comprises a plurality of fields, each
3 field corresponding to at least one character, a detection
4 by the reading device of a portion of the address pattern
5 within one of the plurality of fields operating to input
6 the corresponding at least one character to the electronic
7 device.

1 13. The system of claim 1, wherein the reading
2 device includes a transmitter for communicating with the
3 electronic device.

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1 14. The system of claim 13, wherein the transmitter
2 transmits information to the electronic device via at
3 least one of a cable and a local wireless link.

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1 15. The system of claim 13, wherein the transmitter
2 operates in accordance with Bluetooth radio interface
3 technology.

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1 16. The system of claim 1, wherein the electronic
2 device is selected from the group consisting of a mobile
3 phone, a computer, a personal digital assistant, a
4 calculator, a game console, a television, and a digital
5 camera.

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1 17. The system of claim 1, wherein use of the
2 reading device on the specially formatted surface
3 facilitates a joystick functionality.

18. A method for controlling an electronic device,
comprising the steps of:
detecting at least one position, using a reading
device, on a specially formatted surface having an address
pattern by detecting a portion of the address pattern
adjacent to the reading device;
identifying a function corresponding to the at
least one detected position; and
performing the identified function on an
electronic device.

19. The method of claim 18, wherein the detected
portion of the address pattern is located within a field
on the specially formatted surface, said field
corresponding to the function.

20. The method of claim 18, wherein the identified
function comprises navigating on the electronic device.

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1 21. The method of claim 18, wherein the identified
2 function relates to an application loaded on the
3 electronic device.

1 22. The method of claim 18, wherein the identified
2 function comprises an input of handwritten text.

1 23. The method of claim 22, further comprising the
2 step of converting the handwritten text input into text
3 characters.

1 24. The method of claim 18, wherein the identified
2 function comprises an input of a character corresponding
3 to the detected position.

1 25. The method of claim 18, wherein the identified
2 function comprises an input of a drawing.

1 26. The method of claim 18, further comprising the
2 step of detecting a selection of a location on the
3 specially formatted surface, wherein the step of
4 identifying the function is performed in response to the
5 detected selection.

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1 27. The method of claim 26, wherein the selection is
2 detected by sensing a pressure on the reading device.

1 28. The method of claim 26, wherein the selection is
2 detected by sensing a pressing of a button on the reading
3 device.

1 29. The method of claim 18, further comprising the
2 step of transmitting information relating to the at least
3 one detected position from the reading device to the
4 electronic device.

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1 30. The method of claim 18, further comprising the
2 step of translating the at least one detected portion of
3 the address pattern into a rotation angle.

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1 31. The method of claim 18, further comprising the
2 step of translating the at least one detected portion of
3 the address pattern into a tilt angle.